



**STIC Biotechnology Systems Branch**

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: \_\_\_\_\_

Source: \_\_\_\_\_

Date Processed by STIC: \_\_\_\_\_

10/524, 724  
JFWP  
02/21/2007

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

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**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

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**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/524,724

DATE: 02/21/2007

TIME: 14:09:09

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02212007\J524724.raw

3 <110> APPLICANT: DUNCKLEY, et al.  
 5 <120> TITLE OF INVENTION: Modified Tailed Oligonucleotides  
 7 <130> FILE REFERENCE: E072 1050.1  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/524,724  
 11 <141> CURRENT FILING DATE: 2005-02-16  
 13 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/003612  
 14 <151> PRIOR FILING DATE: 2003-08-18  
 16 <150> PRIOR APPLICATION NUMBER: GB 0219143.5  
 17 <151> PRIOR FILING DATE: 2002-08-16  
 19 <160> NUMBER OF SEQ ID NOS: 16  
 21 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply  
 Corrected Diskette Needed  
 (pgs - 1-6)

## ERRORED SEQUENCES

23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 21  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Artificial Sequence  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: PCR primer  
 31 <400> SEQUENCE: 1  
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 33 21  
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 36 <211> LENGTH: 27  
 37 <212> TYPE: DNA  
 38 <213> ORGANISM: Artificial sequence  
 40 <220> FEATURE:  
 41 <223> OTHER INFORMATION: PCR Primer  
 43 <400> SEQUENCE: 2  
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 45 27  
 47 <210> SEQ ID NO: 3  
 48 <211> LENGTH: 41  
 49 <212> TYPE: DNA  
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 52 <220> FEATURE:  
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 55 <400> SEQUENCE: 3  
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 57 41  
 59 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/524,724

DATE: 02/21/2007  
TIME: 14:09:09

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\02212007\J524724.raw

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60 <211> LENGTH: 35
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: PCR primer
67 <400> SEQUENCE: 4
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73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: PCR primer
79 <400> SEQUENCE: 5
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81 26
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 27
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: PCR primer
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93 27
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97 <212> TYPE: DNA
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105 42
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116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: (1)..(23)
118 <223> OTHER INFORMATION: tail region
120 <220> FEATURE:
121 <221> NAME/KEY: misc_feature
122 <222> LOCATION: (24)..(38)
123 <223> OTHER INFORMATION: complementary region

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/524,724

DATE: 02/21/2007  
TIME: 14:09:09

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\02212007\J524724.raw

125 <400> SEQUENCE: 8

E--> 126 agaagaacga agaacgaaga acagauuuug ucuaaaac 38

127 38

129 <210> SEQ ID NO: 9

130 <211> LENGTH: 38

131 <212> TYPE: RNA

132 <213> ORGANISM: Artificial sequence

134 <220> FEATURE:

135 <223> OTHER INFORMATION: modified tailed oligonucleotide

137 <220> FEATURE:

138 <221> NAME/KEY: misc\_feature

139 <222> LOCATION: (1)..(15)

140 <223> OTHER INFORMATION: complementary region

142 <220> FEATURE:

143 <221> NAME/KEY: misc\_feature

144 <222> LOCATION: (16)..(38)

145 <223> OTHER INFORMATION: tail region

147 <400> SEQUENCE: 9

E--> 148 gauuuugucu aaaacagaag aacgaagaac gaagaaca 38

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154 <213> ORGANISM: Artificial sequence

156 <220> FEATURE:

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160 <221> NAME/KEY: misc\_feature

161 <222> LOCATION: (1)..(23)

162 <223> OTHER INFORMATION: tail region

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165 <221> NAME/KEY: misc\_feature

166 <222> LOCATION: (24)..(38)

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171 38

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176 <213> ORGANISM: Artificial sequence

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179 <223> OTHER INFORMATION: modified tailed oligonucleotide

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182 <221> NAME/KEY: misc\_feature

183 <222> LOCATION: (1)..(23)

184 <223> OTHER INFORMATION: tail region

186 <220> FEATURE:

187 <221> NAME/KEY: misc\_feature

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/524,724

DATE: 02/21/2007

TIME: 14:09:09

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02212007\J524724.raw

188 &lt;222&gt; LOCATION: (24)..(38)

189 &lt;223&gt; OTHER INFORMATION: complementary region

191 &lt;400&gt; SEQUENCE: 11

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193 38

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198 &lt;213&gt; ORGANISM: Artificial sequence

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201 &lt;223&gt; OTHER INFORMATION: modified tailed oligonucleotide

203 &lt;220&gt; FEATURE:

204 &lt;221&gt; NAME/KEY: misc\_feature

205 &lt;222&gt; LOCATION: (1)..(23)

206 &lt;223&gt; OTHER INFORMATION: tail region

208 &lt;220&gt; FEATURE:

209 &lt;221&gt; NAME/KEY: misc\_feature

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211 &lt;223&gt; OTHER INFORMATION: complementary region

213 &lt;400&gt; SEQUENCE: 12

E--&gt; 214 auagggcagg cuagggcagg ccagauuuug ucuaaaac 38

215 38

217 &lt;210&gt; SEQ ID NO: 13

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220 &lt;213&gt; ORGANISM: Artificial sequence

222 &lt;220&gt; FEATURE:

223 &lt;223&gt; OTHER INFORMATION: modified tailed oligonucleotide

225 &lt;220&gt; FEATURE:

226 &lt;221&gt; NAME/KEY: misc\_feature

227 &lt;222&gt; LOCATION: (1)..(15)

228 &lt;223&gt; OTHER INFORMATION: complementary region

230 &lt;400&gt; SEQUENCE: 13

E--&gt; 231 gauuuugucu aaaac 15

232 15

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235 &lt;211&gt; LENGTH: 14

236 &lt;212&gt; TYPE: RNA

237 &lt;213&gt; ORGANISM: Artificial sequence

239 &lt;220&gt; FEATURE:

240 &lt;223&gt; OTHER INFORMATION: modified tailed oligonucleotide

242 &lt;220&gt; FEATURE:

243 &lt;221&gt; NAME/KEY: misc\_feature

244 &lt;222&gt; LOCATION: (1)..(14)

245 &lt;223&gt; OTHER INFORMATION: complementary region

247 &lt;400&gt; SEQUENCE: 14

E--&gt; 248 accugucuu aggu 14

249 14

272 &lt;210&gt; SEQ ID NO: 16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/524,724

DATE: 02/21/2007

TIME: 14:09:09

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02212007\J524724.raw

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275 &lt;212&gt; TYPE: RNA

276 &lt;213&gt; ORGANISM: Artificial sequence

278 &lt;220&gt; FEATURE:

279 &lt;223&gt; OTHER INFORMATION: tail region for modified tailed oligonucleotide

281 &lt;400&gt; SEQUENCE: 16

!-&gt; 282 aggaggacgg aggacggagg aca

283 23

!-&gt; 285 1

!-&gt; 288 1

↓  
Pls delete

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/524,724

DATE: 02/21/2007  
TIME: 14:09:10

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\02212007\J524724.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

seq#:1; Line(s) 32  
seq#:2; Line(s) 44  
seq#:3; Line(s) 56  
seq#:4; Line(s) 68  
seq#:5; Line(s) 80  
seq#:6; Line(s) 92  
seq#:7; Line(s) 104  
seq#:8; Line(s) 126  
seq#:9; Line(s) 148  
seq#:10; Line(s) 170  
seq#:11; Line(s) 192  
seq#:12; Line(s) 214  
seq#:13; Line(s) 231  
seq#:14; Line(s) 248  
seq#:15; Line(s) 270  
seq#:16; Line(s) 282

FYI



## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/524,724

DATE: 02/21/2007

TIME: 14:09:10

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02212007\J524724.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:32 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:1  
L:44 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:2  
L:56 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:41 SEQ:3  
L:68 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:35 SEQ:4  
L:80 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:26 SEQ:5  
L:92 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:6  
L:104 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:42 SEQ:7  
L:126 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:38 SEQ:8  
L:148 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:38 SEQ:9  
L:170 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:38 SEQ:10  
L:192 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:38 SEQ:11  
L:214 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:38 SEQ:12  
L:231 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:15 SEQ:13  
L:248 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:14 SEQ:14  
L:262 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:16  
L:285 M:254 E: No. of Bases conflict, this line has no nucleotides.  
L:288 M:254 E: No. of Bases conflict, this line has no nucleotides.